



Name _____ Date _____

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PURPOSE

To test three different brands of popcorn and learn how they vary in volume when popped

MATERIALS

unpopped popcorn
(3 different brands)
brown paper lunch bag
microwave
measuring cup
tape
bowl

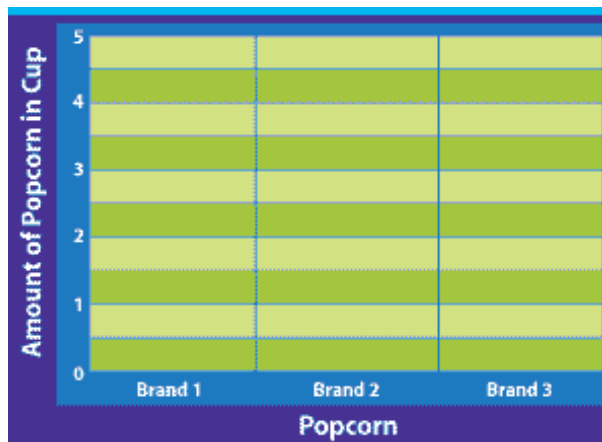
Pop, Popping, Popped

PROCEDURE

1. Measure 1/2 cup of the first brand of unpopped popcorn and place in brown paper lunch bag. Fold over the open end of the bag.
2. Using a small piece of tape, tape the end closed. With adult supervision, place the bag in the middle of the microwave so that the bag is lying flat on one side. Close the microwave door and set timer for two minutes.
3. After the popcorn has popped for two minutes, carefully open the microwave door and take out the bag.
4. Let the bag cool for five minutes.
5. With adult supervision, carefully open the bag. Using the measuring cup, measure the amount of popped popcorn and record below.
6. Empty popcorn after measuring into bowl.
7. Repeat steps 1-10 with the second brand of popcorn.
8. Repeat steps 1-10 with the third brand of popcorn.
9. Analyze your data and compare your results.
10. Graph your results.

Popcorn	Brand 1	Brand 2	Brand 3
Unpopped	1/2 cup	1/2 cup	1/2 cup
Popped			

11. Graph your results:





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CONCLUSION

1. Which brand popped the most popcorn?
2. Why would popcorn brands vary?
3. How could you make this a more accurate test?

EXTENSIONS

1. Compare nutrition information for popcorn and other popular snack foods.
2. Research recipes for flavored popcorn and make your favorite.
3. Test the effects of refrigeration and freezing on popcorn kernels.
4. Pop and compare and contrast yellow popcorn with white popcorn.
5. Pop the same number of kernels for different brands and find the percentage of popped popcorn.
6. Find advertisements for popcorn in magazines and newspapers. Discuss their effectiveness in making you want to buy that brand of popcorn. Design your own advertisement.
7. Determine the cost of one cup of popcorn and compare it to the cost of other snack foods.
8. Research the ways that Native Americans used popcorn and create a report or illustration to share what you learn.
9. Research the different kinds of popcorn poppers and create a time line. Illustrate your time line.
10. Research how popcorn is grown and where. Plant your own popcorn seeds and keep track of their growth.
